The Chair of Hydrology in the Faculty of Environment and Natural Resources at the University of Freiburg, Germany, is offering a

# Research position in environmental data management and analysis

starting October 2022 according to the government scale TVL 13 (at 80%) for 4 years with a possible extension up to 12 years. The position is funded by the German Research Foundation (DFG) within ECOSENSE (SFB 1537) - Multi-scale quantification and modelling of spatio-temporal dynamics of ecosystem processes by smart autonomous sensor networks. ECOSENSE will investigate the spatio-temporal dynamics of forest ecosystem states and fluxes using a novel tailored intelligent sensor network and innovative modelling approaches. This will generate large amounts of data from all projects. The INF project will provide a central platform with easy access to all data in nearly real-time and to adapt an existing data management environment and extend it to the requirement of ECOSENSE. For details see https://www.cep.uni-freiburg.de/forschungsprojekte/ecosense

You will be responsible for the data management, data analysis and data visualization and you will care about the complex and demanding data acquisition, integration, quality control and provision specifically for the requirements and demands of ECOSENSE. The implementation of data management into ECOSENSE requires skills on organizational, scientific, and technical level. In addition, you will also teach the other researchers on how to best provide and work with the data.

Applicants should have at least an MSc degree (or equiv.) in environmental science, engineering, applied informatics or a closely related field and several years of working experience possibly including a PhD. Knowledge in programming, environmental databases (e.g. Aquarius) and data analysis is essential. You should have a background in research data management with scientific and technical background, being close to the scientific field and data properties of ECOSENSE. You will work independent in this project and we encourage applications from enthusiastic dedicated individuals with strong quantitative skills as well as very good writing and communication skills in English.

We offer an interdisciplinary, international work environment in the Faculty of Environment and Natural Resources. The position will be advised by Prof. Markus Weiler, head of a dynamic, international research group. Intensive collaboration with the partners of ECOSENSE is foreseen. The University of Freiburg is an equal opportunity employer and is committed to increasing diversity.

Please send your application including a cover and motivation letter, CV, certificate & transcript of your highest degree earned) and the names and contact details of at least two references in one single pdf-file to hydrology@hydrology.uni-freiburg.de **(Reference WE/ECO_2)**. The application deadline is **15 August 2022**. For questions, please contact Markus Weiler (markus.weiler@hydro.uni-freiburg.de).

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